

Research Cruise Plan
Channel Islands National Marine Sanctuary



Prepared by	Chad Bulich
Date	3/20/00

1. VESSEL	R/V Ballena	2. PROJECT DATES	3/20 – 3/25
3. PROJECT TITLE	Underwater Remotely Operated Vehicle (ROV) Sea floor and Habitat video imaging at the Channel Islands National Marine Sanctuary		
4. ITINERARY	Monday 3/20 – Day deployment to test ROV equipment and practice ROV deployment and retrieval. Tuesday – Friday 3/21 – 3/25 – Deploy ROV within the CINMS and video tape specific locations as determined by Dr. Guy Cochrane.		
5. PROJECT LOCATION(S): LATITUDE AND LONGITUDE COORDINATES	Anacapa, Santa Cruz, San Miguel Islands (specific coordinates available from Dr. Guy Cochrane)		
6. RESEARCH QUESTION (IF APPLICABLE)	What is the composition of the sea floor and what are the habitat types of specific areas previously mapped with sidescan sonar?		
7. PURPOSE	To provide visual proof of composition and habitat of sea floor at various locations of interest at the Channel Islands National Marine Sanctuary. Previous research provided sonar images of the seafloor, which do not show actual composition or habitat. Underwater ROV provides visual images of the seafloor.		
8. PROJECT PROCEDURE	Find specific site of interest via side-scan sonar images and DGPS coordinates Deploy ROV using Boat's A-Frame and winch. Operate ROV using control console located in cover of boat's cabin. Record images from ROV with an SVHS recorder.		

9. PERSONNEL	Captains – Adam Petuskey, and John LaBellarti Scientist – Dr. Guy Cochrane ROV Operators – Chad Bulich, Eric Hulin, Jay Singh, Nick diBari, Rob McKinstry
10. EQUIPMENT/ INSTRUMENTATION	Underwater Remotely Operated Vehicle (ROV) – 260 lbs. Control Console – 150 lbs. SVHS Video recorder 200 ft. tether for ROV Gas powered Generator – 5KW powers entire system – 150 lbs.
11. CONTACT INFORMATION	Chad Bulich – (408)243-6328 e-mail: cbulich@scudc.scul.edu
12. NOTES/COMMENTS	

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Action: Approved and posted